1 <u>ABSTRACT</u>

2 The instant invention involves the use of a combination of preparatory steps in conjunction with mass 3 spectroscopy and time-of-flight detection procedures to 4 maximize the diversity of biopolymers which are verifiable 5 within a particular sample. The cohort of biopolymers 6 verified within such a sample is then viewed with 7 reference to their ability to evidence at least one 8 9 particular disease state; thereby enabling a diagnostician to gain the ability to characterize either the presence or 10 absence of said at least one disease state relative to 11 12 recognition of the presence and/or the absence of said biopolymer, predict disease risk assessment, and develop 13 14 therapeutic avenues against said disease.

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